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**PATENT**  
Attorney Docket No.: 015270-006430US  
Client Reference No. 022870US-NEWZCHER

On March 18, 2005

MAR 18 2005

TOWNSEND and TOWNSEND and CREW LLP

By 

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Anderson, John P. et al.

Application No.: 09/723,722

Filed: November 28, 2000

For: BETA-SECRETASE ENZYME  
COMPOSITIONS AND METHODS

Examiner: Walicka

Art Unit: 1652

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER 37  
CFR §1.97 and §1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of references 145-147, 150-151, and 155-184 can be found in Application No. 09/471,669, filed December 24, 1999 (Attorney Docket No. 015270-006430US).

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

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Applicant also cites commonly owned copending applications directed to related subject matter:

08/480,498 filed 06/07/1995 issuing as 5,744,346 on 04/28/1998  
08/659,984 filed 06/07/1996 issuing as 5,942,400 on 08/24/1999  
08/660,531 filed 06/07/1996 issuing as 6,221,645 on 04/24/2001  
09/054,334 filed 04/02/1999 issuing as 6,329,163 on 12/11/2001  
09/404,578 filed 09/23/1999 issuing as 6,852,482 on 02/08/2005  
09/471,669 filed 12/24/1999  
09/723,722 filed 11/28/2000  
09/724,566 filed 11/28/2000  
09/724,571 filed 11/28/2000  
09/724,568 filed 11/28/2000  
09/724,569 filed 11/28/2000  
10/778,675 filed 02/12/2004

Applicant further cites the following commonly owned abandoned applications directed to related subject matter:

08/485,152 filed 06/07/1995  
60/114,408 filed 12/31/1998  
60/119,571 filed 02/10/1999  
60/139,172 filed 06/15/1999  
09/501,708 filed 02/10/2000  
09/723,739 filed 11/28/2000  
10/099,922 filed 03/15/2002

Applicants understand the Examiner can access papers from the prosecution of the cited cases electronically via PALM. However, if the Examiner has difficulty obtaining papers from that source he or she is invited to call the undersigned who will be happy to supply them.

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As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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60425658 v1

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PTO/SB/08A (08-03)

Substitute for form 1449A/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	09/723,722
				Filing Date	November 28, 2000
				First Named Inventor	Anderson, John P.
				Art Unit	1852
				Examiner Name	Walicka
Sheet	1	of	3	Attorney Docket Number	015270-008441US

U.S. PATENT DOCUMENTS <sup>1</sup>					
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>3</sup> (if known)			
	153	6,852,482	02-08-2005	Gurney et al.	
	149	6,844,148	01-18-2005	Gurney et al.	
	148	6,835,565	12-28-2004	Gurney et al.	
	91 B2	6,828,117	12-07-2004	Gurney et al.	
	154	6,627,739	09-30-2003	Anderson	
	138	6,329,163	12-11-2001	Anderson et al.	
	141	5,863,756	01-26-1999	Barr et al.	
	142	10/817,979		Gurney et al.	
	143	10/477,076		Gurney et al.	
	144	09/668,314		Gurney et al.	
	94	09/548,370		Gurney et al.	
	97	09/548,369		Gurney et al.	
	95	09/548,365		Gurney et al.	
	27	09/404,133		Gurney et al.	
	28	09/277,229		Citron et al.	
	29	60/210,292		Hong et al.	
	30	60/178,368		Lin et al.	
	31	60/177,836		Lin et al.	
	152	60/169,232		Gurney et al.	
	32	60/168,060		Lin et al.	
	33	60/155,493		Gurney et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>a</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>d</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	145	WO	98/37226	A1	08-27-1998			<input type="checkbox"/>
	170	EP	1 445 263	A1	08-11-2004			<input type="checkbox"/>
	171	EP	855 442	A2	07-29-1998			<input type="checkbox"/>
	166	GB	2 364 059	B	01-14-2004			<input type="checkbox"/>
	167	GB	2 389 114	B	02-04-2004			<input type="checkbox"/>
	168	GB	2 389 113	B	02-04-2004			<input type="checkbox"/>
	169	GB	2 389 182	B	02-04-2004			<input type="checkbox"/>

Examiner Signature		Date Considered	
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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to

PTO/SB/08B (08-03)

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/723,722	
			Filing Date	November 28, 2000	
			First Named Inventor	Anderson, John P.	
			Art Unit	1852	
			Examiner Name	Wallicka	
Sheet	2	of	3	Attorney Docket Number	015270-008441US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	181	BORK, P., "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <u>Genome Research</u> , 10:398-400 (2000).	
	179	BROUN et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity," <u>Science</u> , 282:131-133 (1998).	
	178	DAS et al., "Estrogenic responses in estrogen receptor- $\alpha$ deficient mice reveal a distinct estrogen signaling pathway," <u>PNAS</u> , 94:12786-12791 (1997).	
	151	Declaration of Michael Bienkowski, Ph.D. in U.S. patent application 09/548,368	
	183	DENNIS et al., "Kunitz Domain Inhibitors of Tissue Factor-Factor VIIa," <u>J. Biol. Chem.</u> , 269(35):22129-22136 (1994).	
	155	Examination Report for United Kingdom 00121314.9 dated November 1, 2002.	
	156	Examination Report for United Kingdom 00121314.9 dated July 21, 2003.	
	157	Examination Report for United Kingdom 00121314.9 dated October 30, 2003.	
	158	Examination Report for United Kingdom Application 0318112.0 dated November 19, 2003.	
	159	Search and Examination Report for United Kingdom Application 0318112.0 dated September 24, 2003.	
	160	Search and Examination Report for United Kingdom Application 0318107.0 dated September 25, 2003.	
	161	Search and Examination Report for United Kingdom Application 0318113.8 dated September 25, 2003.	
	162	Examination Report for United Kingdom Application 0318113.8 dated November 19, 2003.	
	163	Examination Report for European Application 00919298.0 dated October 30, 2003.	
	164	Search Report for European Application 04006991.6 dated June 11, 2004.	
	165	Examination Report for New Zealand Application 534876 dated August 27, 2004.	

Examiner Signature	Date Considered
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (08-03)

Substitute for form 1448B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/723,722	
			Filing Date	November 28, 2000	
			First Named Inventor	Anderson, John P.	
			Art Unit	1652	
Examiner Name	Walicka				
Attorney Docket Number	015270-006441US				
Sheet	3	of	3		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	184	International Preliminary Examination Report for PCT application PCT/US00/03819 dated 9/4/02.	
	146	Examination Report for European Application 00919298.0 dated September 9, 2004.	
	147	HARDY, J., "Framing beta-amyloid," <u>Nature Genetics</u> , 1(4):233-234 (1992).	
	176	JACKSON et al., "The p47 <sup>phox</sup> Mouse Knock-Out Model of Chronic Granulomatous Disease," <u>J. Exp. Med.</u> , 182:751-758 (1995).	
	182	KICK et al., "Structure-based design and combinatorial chemistry yield low nanomolar inhibitors of cathepsin D," <u>Chem. &amp; Biol.</u> , 4:297-307 (1997).	
	173	KRISTIE, T. M., "The Mouse Homologue of the Human Transcription Factor C1 (Host Cell Factor)," <u>J. Biol. Chem.</u> , 272(42):26749-26755 (1997).	
	174	LI et al., "Cloning and Characterization of Three New Murine Genes Encoding Short Homologues of RNase P RNA <sup>*</sup> ," <u>J. Biol. Chem.</u> , 270(42):25281-25285 (1995).	
	150	Office Action dated 5/6/02 in U.S. patent application 09/548,368	
	177	RAABE et al., "Knockout of the abetalipoproteinemia gene in mice: Reduced lipoprotein secretion in heterozygotes and embryonic lethality in homozygotes," <u>PNAS</u> , 95:8686-8691 (1998).	
	172	SUN et al., "Gene Structure, Chromosomal Localization, and Expression of the Murine Homologue of Human Proteinase Inhibitor 6 (PI-6) Suggests Divergence of PI-6 from the Ovalbumin Serpins <sup>*</sup> ," <u>J. Biol. Chem.</u> , 270(27): 16089-16096 (1995).	
	175	UMANS et al., "Targeted Inactivation of the Mouse $\alpha_2$ -Macroglobulin Gene <sup>*</sup> ," <u>J. Biol. Chem.</u> , 270(34):19778-19785 (1995).	
	180	VAN DE LOO et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <u>PNAS</u> , 92:6743-6747 (1995).	

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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